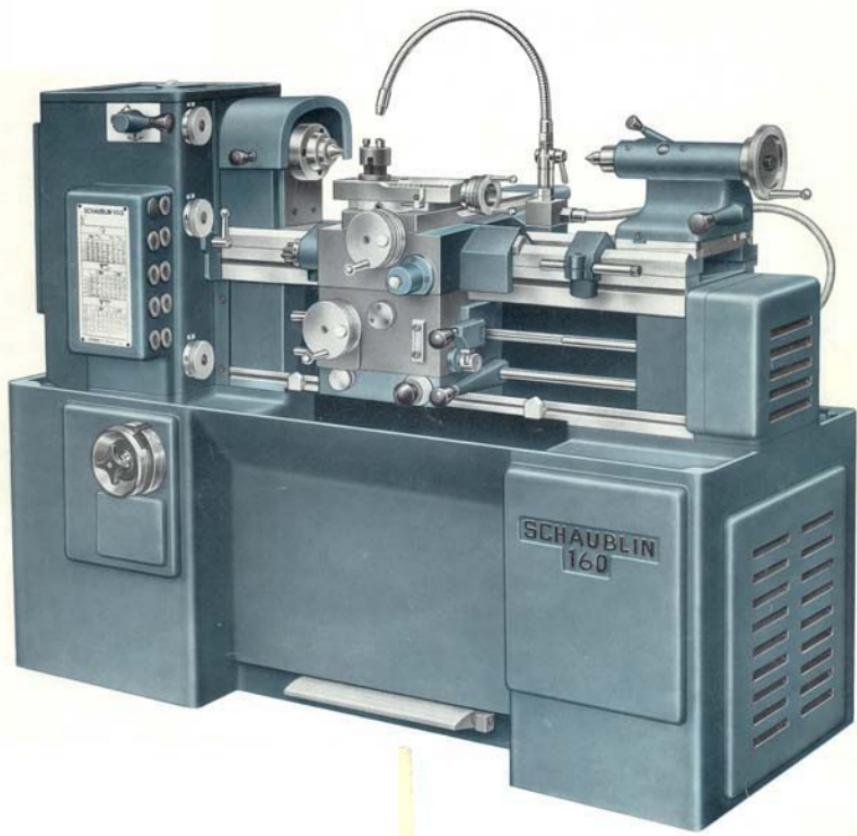


SCHAUBLIN

160



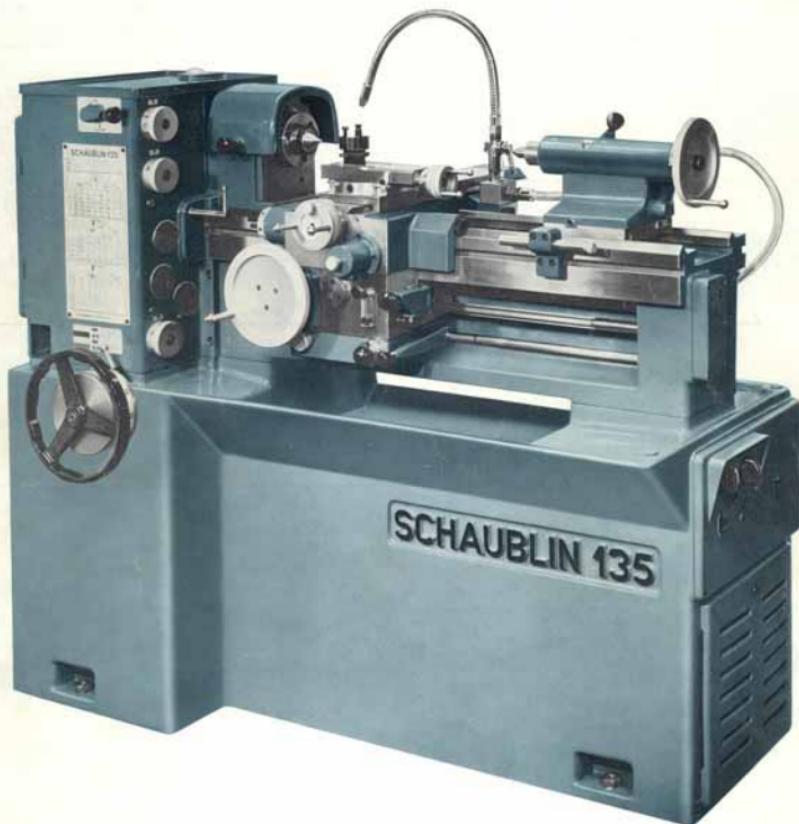
ANOTHER LEADSCREW LATHE OF OUR MANUFACTURING PROGRAMME

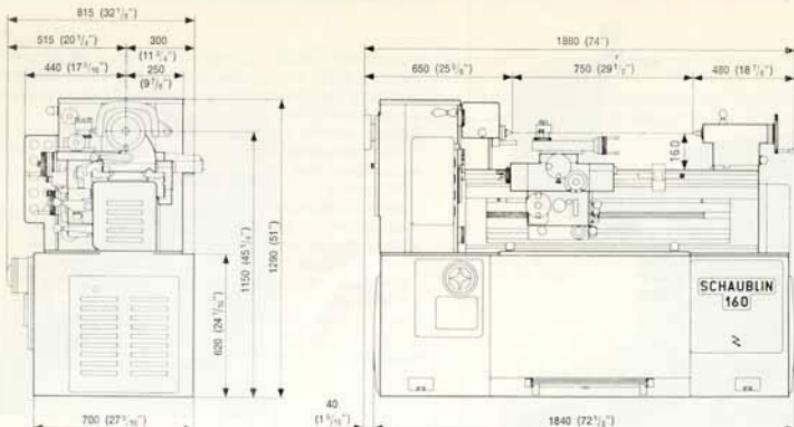
SCHAUBLIN 135 HIGH PRECISION LEADSCREW LATHE

Spindle speeds, infinitely-variable 45 to 3000 rpm.
Spindle bore dia. 40 mm ($1\frac{37}{64}$ "').
Steel bed guiding ways hardened and ground.
Leadscrew with recirculating ball nuts, hardened, with ground threads, concealed and fully protected.
Multiple precision stops for the transversal and longitudinal movements.
Possibility of aligning the headstock parallel with the bed ways and adjusting the tailstock vertically and transversely.
Electromagnetic spindle brake.

STANDARD EQUIPMENT

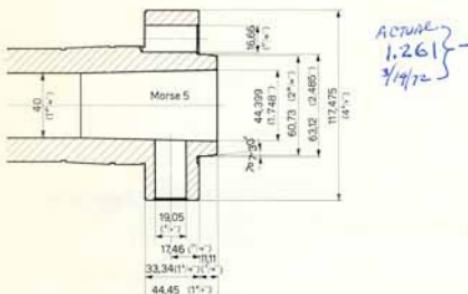
Bed with leadscrew.
Feed and threading box.
Headstock with male centre tipped with tungsten carbide, reduction bush Morse taper No. 5/B 32, hand spanner, carrier driving pin.
Carriage apron with two-screw tool post.
Screw-operated tailstock with male centre tipped with tungsten carbide, with handwheel.
Base with metal guard and electrical control cabinet.
Two-speed motor 750/3000 rpm., power 2/4 HP.
Coolant system.
Spindle speed variator.
Stationary hinged steady.
Travelling steady.





■ Specifications

Height of centres	160 mm (6 1/4")	Transversal adjustment	± 10 mm ($\pm .4"$)
Distance between centres	750 mm (29 1/2")	Feed and threading box	
Swing over bed	375 mm (14 3/4")	Pitches	.25 to 17.5 mm
Swing over carriage	180 mm (7")	Number of English pitches	48
■ Headstock		Pitches	72 to 1 t.p.i.
Spindle speeds, infinitely variable	38 to 3000 rpm.	Number of module pitches	48
Spindle speeds, with open belt drive	190 to 3000 rpm.	Modules	.25 to 8
Spindle speeds, with reduction gears	38 to 600 rpm.	Number of longitudinal and transversal feeds per revolution of spindle	48
Spindle nose	Camlock D 1-4"	24 fine feeds	.015 to .21 mm (.0006 to .0008")
Spindle bore dia.	40 mm (1 37/64")	24 feeds	.025 to .35 mm (.001 to .014")
Internal spindle taper	Morse No. 5	■ Carriage	
Reduction bush for collet	B 32	Travel along bed	750 mm (29 1/2")
Bar capacity with collet	24 mm (15/16")	Tool slide, width x length	110 x 270 mm (43/8" x 10 7/8")



■ Bed

Height x width x length	360 x 320 x 1465 mm (14 1/4" x 12 5/8" x 57 1/2")	Transversal adjustment	± 10 mm ($\pm .4"$)
■ Tailstock		Feed and threading box	
Spindle diameter	50 mm (1 31/32")	Pitches	.25 to 17.5 mm
Internal spindle taper	Morse No. 3	Number of English pitches	48
Spindle stroke	120 mm (4 3/4")	Pitches	72 to 1 t.p.i.
		Number of module pitches	48
		Modules	.25 to 8
		Number of longitudinal and transversal feeds per revolution of spindle	48
		24 fine feeds	.015 to .21 mm (.0006 to .0008")
		24 feeds	.025 to .35 mm (.001 to .014")
		■ Carriage	
		Travel along bed	750 mm (29 1/2")
		Tool slide, width x length	110 x 270 mm (43/8" x 10 7/8")
		Traverse	120 mm (4 3/4")
		Height of centres above slide	32 mm (1 1/4")
		Dimensions of tools	20 x 20 mm (3/4" x 3/4")
		Cross slide, width x length	165 x 470 mm (6 1/2" x 18 1/2")
		Traverse	220 mm (8 5/8")
		Carriage body, guiding length on bed	450 mm (17 3/4")
		Rapid longitudinal traverse	3.5 m/min. (140 ft/min.)
		■ Steadies	
		Bar capacity in stationary steady	dia. 4 to 125 mm
			(.157" to 4.92")
		Bar capacity in travelling steady	dia. 4 to 115 mm
			(.157" to 4.52")
		■ Coolant system	
		Tank capacity	65 liters (14 1/2 gallons)
		■ Motor	
		Speeds	750/3000 rpm.
		Power	3/6 HP
		■ Weights	
		Net weight with standard equipment	1950 kg (4300 lbs.)
		Gross weight with standard equipment	2200 kg (4850 lbs.)